

Some additional answers... Find the pattern and check the rest of your work. Talk to a friend!

Cation/Anion	NO_3^{1-} Nitrate	Cl^- Chloride	$\text{C}_2\text{H}_3\text{O}_2^-$ Acetate	OH^- Hydroxide	PO_4^{-3} Phosphate	CrO_4^{-2} Chromate
Na^{1+} Sodium	NaNO_3 Sodium Nitrate	NaCl Sodium Chloride	$\text{NaC}_2\text{H}_3\text{O}_2$ Sodium acetate	NaOH Sodium Hydroxide	Na_3PO_4 Sodium Phosphate	Na_2CrO_4 Sodium chromate
K^+ Potassium	KNO_3 Potassium nitrate	KCl Potassium Chloride				
Ca^{+2} Calcium	$\text{Ca}(\text{NO}_3)_2$ Calcium Nitrate	CaCl_2 Calcium Chloride	$\text{Ca}(\text{CH}_3\text{COO})_2$ Calcium Acetate	$\text{Ca}(\text{OH})_2$ Calcium hydroxide		
Ba^{+2} Barium	$\text{Ba}(\text{NO}_3)_2$ Barium nitrate	BaCl_2 Barium chloride	$\text{Ba}(\text{CH}_3\text{COO})_2$ Barium Acetate	$\text{Ba}(\text{OH})_2$ Barium hydroxide		
Pb^{+2} Lead (II)	$\text{Pb}(\text{NO}_3)_2$ Lead (II) nitrate			$\text{Pb}(\text{OH})_2$ Lead (II) hydroxide	$\text{Pb}_3(\text{PO}_4)_2$ Lead (II) Phosphate	
Fe^{+3} Iron (III)	$\text{Fe}(\text{NO}_3)_3$ Iron (III) nitrate				FePO_4 Iron (III) phosphate	$\text{Fe}_2(\text{CrO}_4)_3$ Iron(III) chromate
Fe^{2+} Iron (II)	$\text{Fe}(\text{NO}_3)_2$ Iron (II) nitrate				$\text{Fe}_3(\text{PO}_4)_2$ Iron (II) phosphate	FeCrO_4 Iron(II) chromate
NH_4^+ Ammonium	NH_4NO_3 Ammonium nitrate				$(\text{NH}_4)_3\text{PO}_4$ ammonium phosphate	$(\text{NH}_4)_2\text{CrO}_4$ Ammonium chromate
Al^{+3} Aluminum	$\text{Al}(\text{NO}_3)_3$ Aluminum nitrate	AlCl_3 Aluminum chloride				$\text{Al}_2(\text{CrO}_4)_3$ Aluminum chromate
Cu^{+1} Copper (I)	CuNO_3 Copper (I) nitrate		CuCH_3COO Copper (I) acetate			